Listing and Amendments to the Claims

This listing of claims will replace the claims that were published in the PCT Application and the International Preliminary Examination Report:

Claims 1-14 are deleted.

15. (new) Arrangement for correcting colour video signals, in particular colour video signals generated by a film scanner, with a matrix, through which the colour video signals pass and which can be used to control the proportions of three primary colours in matrixed colour value signals, provision being made of means for controlling the matrix in a manner dependent on the hue which the colour video signals respectively represent, ~~characterized in that~~ wherein provision is made of means for reducing the effect of the correction in the case of low colour saturation.

16. (new) Arrangement according to Claim 15, characterized in that provision is made of memories (31) for storing coefficients of the matrix (16) that are set previously in a manner dependent on the hue.

17. (new) Arrangement according to Claim 15, ~~characterized in that~~ wherein provision is made of memories for storing correction values for the coefficients of the matrix, the correction values being set previously in a manner dependent on the hue.

18. (new) Arrangement according to Claim 16, ~~characterized in that~~ wherein a converter for generating a hue signal from the colour video signals is connected by its output to address inputs of the memories.

19. (new) Arrangement according to Claim 17, ~~characterized in that~~ wherein a converter for generating a hue signal from the colour video signals is connected by its output to address inputs of the memories.

20. (new) Arrangement according to Claim 18, ~~characterized in that~~ wherein the converter has a further output, which carries a colour saturation signal and is connected to multipliers located in the supply lines of the correction values to the matrix.

21. (new) Arrangement according to Claim 19, ~~characterized in that~~ wherein the converter has a further output, which carries a colour saturation signal and is connected to multipliers located in the supply lines of the correction values to the matrix.

22. (new) Arrangement according to Claim 18, the colour video signals being present as colour value signals, ~~characterized in that~~ wherein the converter comprises a converter matrix for generating colour difference signals and a coordinate converter.

23. (new) Arrangement according to Claim 19, the colour video signals being present as colour value signals, ~~characterized in that~~ wherein the converter comprises a converter matrix for generating colour difference signals and a coordinate converter.

24. (new) Arrangement according to Claim 20, the colour video signals being present as colour value signals, ~~characterized in that~~ wherein the converter comprises a converter matrix for generating colour difference signals and a coordinate converter.

25. (new) Arrangement according to Claim 21, the colour video signals being present as colour value signals, ~~characterized in that~~ wherein the converter comprises a converter matrix for generating colour difference signals and a coordinate converter.

26. (new) Arrangement according to Claim 20, ~~characterized in that~~ wherein the matrix comprises nine further multipliers and three adders, in each case three further multipliers being connected to inputs of an adder and having three colour video signals – fed as colour value signals – applied to them, and in that a correction value/coefficient can be fed to a respective one of the further multipliers from one of the memories.

27. (new) Arrangement according to Claim 21, ~~characterized in that~~ wherein the matrix comprises nine further multipliers and three adders, in each case three further multipliers being connected to inputs of an adder and having three colour video signals – fed as colour value signals – applied to them, and in that a correction value/coefficient can be fed to a respective one of the further multipliers from one of the memories.

28. (new) Arrangement according to Claim 16, ~~characterized in that~~ wherein the correction values can be loaded into the memories from a computer, and in that the means for controlling the matrix has a program for setting the correction values.

29. (new) Arrangement according to Claim 28, ~~characterized in that~~ wherein provision is made of a device for the manual setting of the correction values.

30. (new) Arrangement according to Claim 28, ~~characterized in that~~ wherein provision is made of an automatic determination of the correction values by scanning of a test film and comparison of the scanned values with desired values.

31. (new) Arrangement according to Claim 29, ~~characterized in that~~ wherein provision is made of an automatic determination of the correction values by scanning of a test film and comparison of the scanned values with desired values.

32. (new) Arrangement according to claim 15, ~~characterized in that~~ wherein logarithmizers are connected upstream of the matrix and delogarithmizers are connected downstream of the matrix.